

Cont  
B1 c1

processings executed by said plurality of processors are asynchronously executed  
and said plurality of processors share said memory.

11. (Twice Amended) A data processing system, comprising:  
a plurality of processing means for executing a series of processings of different  
types on data to be processed, in a prescribed order; and  
memory means for storing said data to be processed in association with state  
information to represent the processing to be next performed, wherein  
processings executed by said plurality of processing means are executed  
asynchronously, and said plurality of processing means share said memory means.